Aviation Solutions



Enhancement Notification Release 5.3



Business Process

- Inventory Setup
- Stock Management
- Procurement Management
- Repair Order Management
- Loans and Rentals Management



Inventory Setup



- Part Administration
 - Business Need
 - Facility to change the following part attributes:
 - Part Type
 - Control Type
 - Stockable Yes/No
 - Issue Basis
 - Expense Type
 - Expensing Policy
 - Valuation Method



- Part Administration
 - Change Details
 - To facilitate part data (attribute) change, the following activities / screens are added
 - Activity: Initiate Part Master Controlled Data Change
 - » Manage Controlled Data for Part Record
 - » Update Lot / Serial # info for Parts in Stock
 - » View Impacted Transaction
 - Activity: Process / View Part Master Controlled Data Change
 - » Select Part Master Controlled Data Change Record
 - Facility to initiate change for multiple parts together
 - Register change request and process outside transaction scope
 - Look up completion status with errors against the change request





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😂 Trailbar 🗸 | 🏡 🚔 🌄 Manage Controlled Data for Part Record Date Format **Change Document Details** Data Change # Status Change Category User Status 🛛 💌 • Requested by / Date 🤍 Base Currency Part Details 1 - 10 / 10 🕨 💓 | 🛨 🖃 🐇 🔁 [🚥 🔤 💷 💵 🚛 [🚛 🖃 🗛 ≪ ◀ 0 × # Part # 🤍 Part Description From Part Type To Part Type From Control Type To Control Type From Expense Type To Expense Type From Issue Basis To Issue Basis From Valuation Method To Valuation Method Part Description × × 1 × × 2 Data Change 3 × ¥ ¥ ¥ 4 × × × × v for multiple 5 × × parts Controlled × 6 ৵ × **Retrieves** 7 × × Part Data × current part 8 × attributes Basic validations and 9 ~ × v generate Data 10 × × Change # Þ View File Get Part Details Other Details File Name View File Provide SI #/ 4 7 Remarks. Lot # for Other References items in stock Save Process Cancel Update Lot / Serial # Info. for Parts in Stock Upload Documents













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- Integration Service
 - Automatic stock correction
 - Part Data Change
 - Negative and Positive Stock Correction generated in authorized status
 - Other transactions (Goods Receipt / Repair Receipt)
 - Negative Stock Correction always generated in authorized status
 - Positive Stock Correction (Qty and /Value) generated in authorized or draft status i.e., draft status if new serial / lot needs to be specified
 - Cancellation of the auto stock correction documents for part data change is not allowed
 - Correction Basis
 - Goods Receipt, Repair Receipt or Part Data Change
 - Manage component properties
 - Ability to inactivate components
 - Ability to inactivate component maintenance programs



- Purchase Order Goods Receipt
 - Purchase Order: Part attributes will be retained at the part level in PO
 - Goods Receipt: Part attributes will be retained at part level
 - Part Type change from and to Component will be listed as Error Transaction
 - Control Type change will be listed as Error Transaction
- Repair Order Repair Receipt
 - Part attributes will be retained in Repair Order and will flow to Repair Receipt
- All other transactions will be listed as Error





- Part Effectivity
 - Business Need
 - To manage material requisition and stock disbursals based on part effectivity definition
 - Change Details
 - Material Request
 - Combo "Request Mode" has been added in the Part Details multiline
 - » Normal (Default value)
 - » Conditional Requisition
 - » Force Requisition
 - Effectivity check based on the global option set for "Part Effectivity Check" and the "Request Mode" selected for the part
 - Remarks need to be entered if Request Mode is selected as "Conditional Requisition" or "Force Requisition"
 - Validate effectivity of specific alternate part if specified
 - Link to View Part Effectivity







- Part Effectivity
 - Change Details
 - Stock Maintenance
 - Demand Pegging
 - » Allocation of Alternate parts for issue / transfer based on part effectivity check
 - Receipt Pegging
 - » Allocation of Alternate parts for issue / transfer based on part effectivity check



- Part Effectivity
 - Change Details
 - Stock Demand Management
 - Alternate Parts will be considered based on effectivity check
 - » To display available Qty in the requested WH and Free Qty available for Stock Transfer from other warehouses, considering part effectivity
 - » To facilitate issue of parts satisfying part effectivity
 - » To facilitate transfer of parts satisfying part effectivity
 - Stock Issue
 - Get (substitute part as the issued part)
 - » Retrieval of alternate part based on part effectivity check



- Stock Demand Management
 - Business Need
 - Ability to issue parts from the Requested Warehouse
 - Change Details
 - Create Issue task has been enhanced to facilitate direct issue of parts from the MR Requested WH
- Material Request
 - Business Need
 - Facility to peg de-allocated parts on MR short closure
 - Change Details
 - Receipt pegging service to allocate parts that are de-allocated as a result of cancelation of MR based Issue document triggered by MR Doc / Line Level short closure





- Goods Receipt
 - Business Need
 - Ability for the receiving inspector to update parameter values, configuration details and compliance details before recording Freeze Acceptance during Goods Receipt
 - Ability to upload and view documents during inspection
 - Ability to view Purchase Order / Release Slip information during inspection
 - Change Details
 - Freeze Receipt
 - Component Id and Component Maintenance Program
 - Serial # and Lot #



- Goods Receipt
 - Change Details
 - Edit Serial Inspection (Inspection Information multiline)
 - Assembly Status :: Complete, Dormant or None
 - Parameter Values :: String <Present Value of FH / FC etc as applicable> like "180 FC / 1420 FH "
 - Earliest Due Details :: Earliest Task that is due for the component. String <Task #: 32-00-02 / 5200FH / 480FC / 15-Jun-2010>
 - Component Id :: Component # that is being inspected
 - Records Update? :: Pending, Not Applicable, Verified, Override (also a blank based on option)
 - » Tech Records Update during GR Inspection :: Mandatory / Optional



- Goods Receipt
 - Change Details
 - Edit Serial Inspection (Other screen changes)
 - Display controls "Ref. Doc Type" and "Ref. Document #" (Data hyperlink) added to view Purchase Order or Release Slip corresponding to the GR
 - Links "Upload Documents" and "View Associated Doc. Attachments" have been added to upload / view documents during inspection
 - Link "Edit Component Parameter" has been removed and the corresponding screen has been dropped. Instead, the link "Re-Initialize and Update Parameter Values" has been provided
 - Edit Inspection Information (Logic change)
 - To enter Remarks if "Records Update?" is selected as 'Override' or 'Not Applicable'
 - Component condition change / history update





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- Goods Receipt
 - Change Details
 - Freeze Acceptance
 - Records Update? cannot be Pending
 - Records Update? is Verified, after which the following validations are triggered based on the option "Validate verified Tech. Records on GR acceptance :: Required / Not Required"
 - » Parameter Value Update if the received condition is other than New
 - » Assembly Status is Complete or None as applicable
 - » If Component Maintenance Program exists, it is in authorized status
 - Inactive Component # and CMP if the component is rejected



- Goods Receipt
 - Business Need
 - Ability to move all the GR line items of a GR # that are inspected without traversing across screens
 - Ability to record bulk movement of parts received through a GR document
 - To have a common screen to facilitate movement of parts into warehouse during Goods Receipt (PO-GR)
 - Change Details
 - Document level Movement screen is dropped
 - Line Level Movement screen is enhanced, to manage bulk movement of parts







Move Parts to Warehouse

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- Repair Receipt
 - Business Need
 - Ability to view Serial / Lot information for the parts sent for repair, during processing of a repair receipt document
 - Ability to search for repair receipt document, based on Part #, Serial # and Lot #
 - Ability to update compliance and discrepancy information for the parent and the sub-assemblies, during repair receipt
 - Change Details
 - Create / Edit / View Repair Receipt
 - Added the following columns in the multiline grid, to display the following information for the main core
 - » Serial #
 - » Lot #
 - » Stock Status
 - » Condition











- Repair Receipt
 - Change Details
 - Edit Serial Inspection
 - Compliance update for parent as well as child components
 - Compliance update has been moved from Freeze Acceptance to Edit Inspection task
 - » Inspector will verify update before recording acceptance
 - Freeze Acceptance
 - Discrepancy status update moved from Move Parts to Freeze Acceptance task



- Purchase Order
 - Business Need
 - Ability to generate replenishment PBH / PBH Exchange PO upon issue of PBH Part for Aircraft / Component Maintenance
 - Ability to modify PO details that are copied, and then create the PO
 - Change Details
 - Auto PO will be generated in Draft status upon maintenance issue confirmation, based on the option set in Supplier
 - PBH Replenishment Action
 - » Manual
 - » Automatic
 - PBH Replenishment Mode
 - » PBH PO
 - » PBH Exchange PO
 - PO details will be copied; the user can modify the details and then create the PO





- Repair Order
 - Business Need
 - Ability to specify Stock Status for spares identified in the Repair Order
 - Ability to manage work scope and discrepancies for the parent and its sub-assemblies during external repair
 - Facility to retrieve pending task and discrepancy information for the parent and its sub-assemblies after RO creation
 - Change Details
 - Edit Terms and Conditions
 - Combo 'Stock Status' has been added in the Spares Shipped multiline







- Repair Order
 - Change Details
 - Create / Edit / View Repair Order
 - Following columns are added in the Work Scope multiline
 - » Part #
 - » Serial #
 - » Eng. Doc. # (hyperlinked to View Eng. Doc)
 - » Eng. Doc. Revision #
 - » Relationship Type
 - » Parent Task #
 - Discrepancies associated?



- Repair Order
 - Change Details
 - To retrieve pending tasks for the parent and its child components automatically during RO creation
 - To retrieve and update pending discrepancies for the parent and its child components upon creation of RO

Wor	k Scope							
«	 ◀ 1 - 5 / 5 ▶ ▶ 	+ - 0 4			1		All	×
ŧ	🗖 Work Unit # 🤍	Work Unit Type	Part # 🭳	Serial # 🭳	Eng. Doc #	Eng. Doc Rev. #	Relationship Type	Parent Task #
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5			C	New columns added				
Prin	t Task Card				eate RO			Edit Terms and Condition:



- Repair Order
 - Change Details
 - Edit Repair Order
 - Count of pending tasks for the parent and its sub-assemblies will be displayed
 - A button "Get Pending Tasks" will be provided to retrieve pending tasks for processing

Wor	k Scope								
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	Print Task	Card	Get Pending Tasks 4						



- Repair Order
 - Change Details
 - Edit Discrepancies
 - Count of pending discrepancies for the parent and its sub-assemblies will be displayed
 - A button "Get Pending Discrepancies" will be provided to retrieve pending tasks for processing

Disc	repar	ncy Info				
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5	1					
		Get Pending Discrepancies 2				
				Edit Discrepancies		
					-	



- Repair Order
 - Change Details
 - Confirm RO and Amend RO screens are dropped
 - Edit RO screen is enhanced to manage Confirm RO function
 - Amend Discrepancies screen is dropped and Record Discrepancy Analysis screen enhanced to manage amendment





- Repair Order
 - Change Details
 - Task Card
 - Part # & Serial # corresponding to the task
 - Repair Order Report
 - Work Scope
 - Discrepancies



Loans and Rentals Management

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Loans & Rentals Management

- Loan & Rental Order
 - Business Need
 - Ability to cancel authorized Loan Order if parts are not received
 - Ability to cancel authorized Rental Order if parts are not issued
 - Change Details
 - Edit Loan Order entry screen
 - In the Search Criteria, a combo "Action" (UI task enabled to control status combo loading) has been added
 - » Edit Loan Order
 - » Cancel Authorized Loan Order :: To facilitate retrieval and cancelation of authorized loan orders where parts are not received
 - Similar changes in Edit Rental Order entry screen to facilitate retrieval and cancelation of released rental orders where parts are not issued



Loans & Rentals Management

Select Loan Order						🔀 Trailbar 🕇	_ ☆ 🖨
					Date Format dd/mn	n/yyyy	
Direct Entry							
Loan Order #	ŧ	Edit Loan O	rder				
Search Criteria							
Action Loan Order + From D P Ca Search Results (() I (No records to display) () () ()	Edit Loan Order Edit Loan Order Cancel Authorized Loan Order	Search			Status Supplier To re 20/05/2010 Part Der In atus ed by All		
Loan Order # Edit Loan Order Cancel Authorized Loan Order	Part Description	Supplier #	Status	cat paded based paded based	on	Loan Order Date	



Thank You.

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